

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

SPECIFICATION FOR
SACK, RATION (INDIVIDUAL)

Page 2

3.1.1. Basic Material. Delete the paragraph in its entirety and substitute new paragraph as follows:

"3.1.1. Basic Material. The basic material may be woven cotton or synthetic fiber cloth or sheeting or a nonwoven (spunbonded) fabric such as the Kimberly-Clark Corporation "KIMKLOTH" or the Du Pont Company "TYVEK" or equivalent. When tested as specified in 4.4.3., the material used shall have a minimum breaking strength of 8 pounds in both warp and fill or machine direction (MD) and cross machine direction (XD) as applicable. It shall also have a minimum tear strength of 2 pounds in both warp and fill or MD and XD as applicable."

3.1.2. Thread and Stitching. Delete the paragraph in its entirety and substitute new paragraph as follows:

"3.1.2. Thread and Stitching. The thread for stitching may be any suitable commercial brand, cotton or synthetic as commonly used for sewing the basic material used (see 3.1.1.). The stitching may be any type commonly used for similar items and shall be in accordance with best manufacturing practice."

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

SPECIFICATION FOR
SACK, RATION (INDIVIDUAL)

1. GENERAL.

1.1. Purpose and Description. The ration sack covered by this specification is intended for use by forest firefighters to carry their individual canned ration unit or sandwiches to the fireline for the noon meal.

The sack is made from a low-cost, cotton sheeting or print cloth similar to the common 10-pound flour sack.

1.2. Contracting Officer's Instructions.

1.2.1. Required Options. Bid invitations and orders must specify options selected by the contracting officer under the following paragraphs:

4. Method of Sampling, Inspection and Tests. Specify arrangements for inspection and tests.

1.2.2. Other Options. If desired, bid invitations and orders may specify options selected by the contracting officer under the following paragraphs:

5. Preparation for Delivery. If preparation for delivery is to be other than as specified, state instructions.

2. APPLICABLE DOCUMENTS.

The following documents of the issue in effect on the date of invitation for bids are a part of this specification to the extent herein specified:

Federal Specifications and Standards

FED-STD-102	Preservation, Packaging and Packing Levels
FED-STD-123	Marking for Domestic Shipment (Civilian Agencies)
FED-STD-191	Textile Test Methods

Military Specifications and Standards

MIL-STD-105D Sampling Procedures and Tables for Inspection by
Attributes

NOTE: Copies of documents required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.

3. REQUIREMENTS.

3.1. Materials and Construction. Materials and construction shall be as hereinafter specified and detailed on the drawing (see Figure 1).

3.1.1. Basic Material. The basic material for the ration sack shall be a low cost, cotton print cloth or sheeting having a minimum thread count of 60 in warp and 48 in the fill. It shall have a minimum breaking strength of 35 in the warp and 25 pounds in the fill when tested as specified in 4.4.3.

3.1.2. Thread and Stitching. The thread may be any suitable commercial brand, soft-twist cotton thread or twine. The stitching may be any type commonly used for similar items and shall be in accordance with best manufacturing practice.

3.1.3. Color. Color of the sack material shall be optional to the supplier, including colorfast misprint material, with the exception that black will not be acceptable and any colored material used shall have colorfast dye. In addition the supplier shall furnish proof, when requested by the Government, that any dyed material used is non-injurious to humans should the sack come into contact with food.

3.1.4. Seams. The drawing (Figure 1) shows two seams as typical, however three seams in the finished bag will be acceptable.

3.2. Workmanship. Workmanship shall be best quality and the finished product free of any defects which detract from appearance.

4. METHOD OF SAMPLING, INSPECTION AND TEST.

4.1. General. The contractor shall be responsible for the performance of all inspection and test requirements as specified herein prior to submission for Government acceptance inspection and tests. Unless otherwise stated herein or on contract or purchase order, the contractor may utilize his own facilities or any commercial testing laboratory acceptable to the Government. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to assure that the product conforms to specified requirements.

Any Government inspections and tests to verify conformance with specification requirements shall be made at places and under arrangements specified by

the contracting officer. In case of factory inspections, the contractor shall furnish the Government inspector all reasonable facilities for his work.

4.2. Inspection Lot. All units of product presented for delivery at one time shall be considered a lot for purposes of acceptance inspection and tests.

4.3. Sampling for Lot Acceptance Inspection and Test. Random samples of units of product shall be selected from each lot for inspection and tests. The sample unit of product shall be defined and the sample sizes shall be obtained as follows:

4.3.1. Visual and Dimensional Inspection. For visual and dimensional inspection the sample unit of product shall be one ration sack and no more than ten samples shall be selected from any one bundle of sacks (see 5.1.).

Sample size shall be selected in accordance with MIL-STD-105D, General Inspection Level I.

4.3.2. Acceptance Test. For acceptance tests (see 4.4.3.) the sample unit of product shall be one ration sack. The sample size shall be selected in accordance with MIL-STD-105D, Special Inspection Level S-2.

4.4. Acceptance Inspection and Tests.

4.4.1. Classification of Defects and AQL. Classification of defects and Quality Levels (AQL's) shall be in accordance with MIL-STD-105D and as hereinafter specified.

4.4.1.1. Classification of Defects. Any sample that fails to comply with all materials and construction requirements herein specified shall be classified as defective.

4.4.1.2. Acceptable Quality Level. The AQL shall be 6.5 for both visual and tests when required (see 4.4.3.).

4.4.2. Visual and Dimensional Inspection. Each sample selected in accordance with 4.3.1. shall be visually and dimensionally examined to verify compliance with all materials and construction requirements herein specified. Any non-conformance noted shall constitute a defective and that sample shall be rejected.

4.4.3. Lot Acceptance Tests. No testing of physical properties of materials shall be required. However, the Government reserves the right to test or arrange with an independent recognized testing agency for testing of physical properties of any or all materials in the product provided the Government inspector has reasonable doubts about materials conforming to requirements of this specification. Such testing, when required, shall be in accordance with FED-STD-191.

5. PREPARATION FOR DELIVERY.

5.1. Packaging and Packing. Unless otherwise specified by the contracting officer the ration sacks shall be packaged in bundles of one hundred (100) sacks and tied with a suitable, soft cotton twine. Twenty-five (25) bundles shall be packed into a shipping container complying with standard commercial practice so as to insure acceptance by common or other carrier for safe transportation to delivery point.

5.2. Marking. Unless otherwise specified by the contracting officer, each shipping container shall be marked in accordance with FED-STD-123 and shall include contract and purchase order numbers.

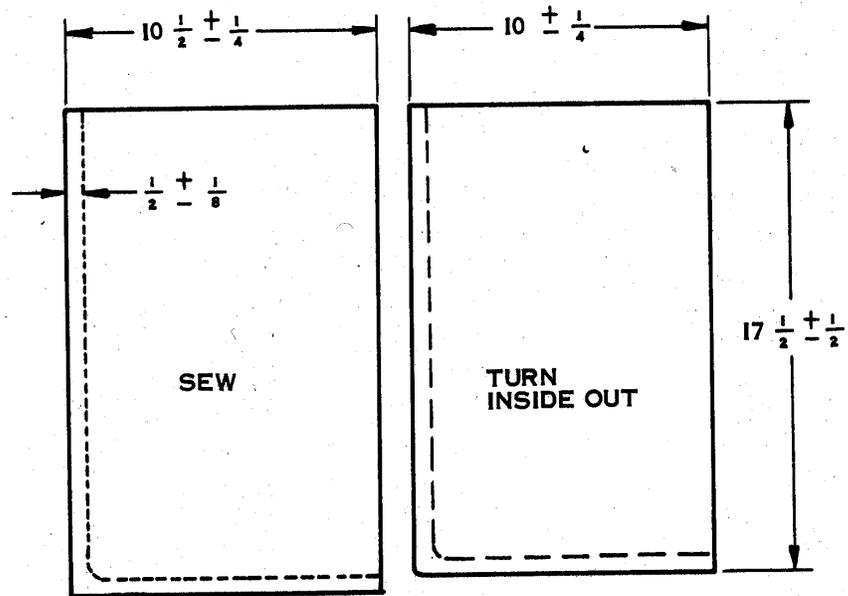
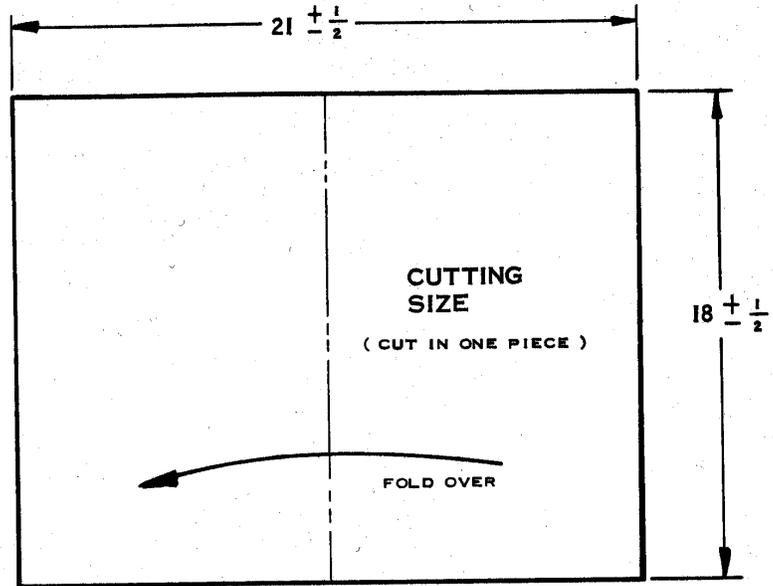
6. NOTES.

6.1. Preparing Activity. USDA, Forest Service, Missoula Equipment Development Center, Missoula, Montana.

Project: 8105-1405

NOTICE: When Government drawings, specifications or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility or any obligation whatsoever.

SPECIFICATION 5100-26a



SACK, RATION
CONSTRUCTION DETAILS

FIGURE 1

Standardization Document Improvement Proposal

This form is provided to solicit beneficial comments that may improve this document and enhance its use. Contractors, government activities, manufacturers, vendors, and users are invited to submit comments to:

USDA Forest Service
Missoula Technology and Development Center
Building 1, Fort Missoula
Missoula, MT 59804-7294

Attach any additional pertinent information that may be of use in improving this document to this form and mail in a envelope. A response will be provided when the submitter includes their name and address.

NOTE: This form shall not be used to submit requests for waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the document, or to amend contractual requirements.

Document Identification: **5100-26A - SACK, RATION (INDIVIDUAL)**

Submitter's Name (Optional. Please print or type): _____

Submitter's Organization and Address: _____

Vendor User Manufacturer

Phone Number: _____

Date: _____

Has any part of the Document created problems or required interpretation in procurement use?

Is any part of the Document too rigid, restrictive, loose, or ambiguous? Please explain below:

Give paragraph number and wording: _____

Recommended change(s): _____

Reason for recommended change(s): _____

Remarks:

Fold

Attach
stamp

USDA Forest Service
Missoula Technology and Development Center
Building 1, Fort Missoula
Missoula, MT 59804-7924

Fold and staple for mailing